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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/823,831	03/30/2001	Edward V. Gamsaragan	42390.P10234	6121

7590 01/24/2005  
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Los Angeles, CA 90025-1026

EXAMINER

WU, XIAO MIN

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 01/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/823,831

Applicant(s)

GAMSARAGAN ET AL.

Examiner

XIAO M. WU

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-5,8-15 and 18-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5,8-15 and 18-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

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## **DETAILED ACTION**

### ***Response to Amendment***

1. Applicant's amendment after final dated 3/8/2004 has been entered and the finality of that action is withdrawn in view of a newly discovered prior art reference to Mital (US Patent No. 5,878,282).

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

4. Claims 1-5, 8-15, 18-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Richardson et al. (US Patent NO. 6,028,764) in view of. Mital (US Patent No. 5,878,282).

As to claims 1, 11, 19, 24, 25, Richardson discloses a computer (see Fig. 2) comprising: a base station (12) having a storage device (36, Fig. 7); and a computing display subsystem (14)

detachably connectable to the base station (see Fig. 2), the computing display subsystem including a processor (80, Fig. 9), and a communication adapter (82, 84, Fig. 9) to communicate with the base station when the computing display subsystem is detached from the base station.

It is noted that Richardson does not specifically disclose non-volatile storage device in the detachable display system. Mital is cited to teach a detachable display subsystem (Fig. 3) which includes a non-volatile storage device (62, Fig. 3, also see col. 6, lines 34). It would have been obvious to one of ordinary skill in the art to have modified Richardson with features of the non-volatile storage for use in a detachable display as taught by Mital so that the information stored in the non-volatile memory can be directly accessed by the display without going through the base station and the processing speed will be increased.

As to claims 2, 12, 20, Richardson discloses the computing display subsystem includes a power supply (60, Fig. 7, also see col. 3, lines 18-30) separate from the base station.

As to claims 3, 13, 21, Richardson discloses that the computing display subsystem and the base station are operable to communicate using infrared signals (col. 2, lines 24-27).

As to claims 4, 14, 22, Richardson discloses the base station and the computing display subsystem are operable to communicate using radio frequency signals (col. 3, lines 50-57).

As to claims 5, 15, 23, Richardson discloses that the display could be a touch screen and Mital further discloses that the display is LCD display. The combination of Richardson and Mital would provide a detachable and a writeable liquid crystal display.

As to claims 8, 18, 26, Richardson further discloses the communication adaptor of the computing display subsystem is operable to communicate with the base station via Bluetooth protocol (col. 3, lines 58-60).

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As to claims 9, 27, Richardson discloses the base station includes a keyboard (16, Fig. 7) and a connection to a network (e.g. MODEM 50, Fig. 7).

As to claims 10, 28, Richardson discloses the processor of the computing display subsystem is operable at two separate power modes contingent on a power source (e.g. power supply 60 is a battery power supply but the power supply may includes an AC adaptor to power the display 18, capacitive storage element, col. 3, lines 18-30).

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The US Patent 5,670,969 is cited to teach a detachable computer.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Xiao Wu whose telephone number is (703) 305-4721.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe**, can be reached on (703) 305-4709.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to:**

**(703) 872-9306**

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377


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xw

January 18, 2005

  
**XIAO WU**  
**PRIMARY EXAMINER**  
**ART UNIT 2674**